

AMENDMENTS TO THE CLAIMS

Please amend claims 22 and 23, and add new claims 34-36, as follows:

Claims 1-21 (Cancelled).

Claim 22 (Currently Amended) An impact-modified polymethyl methacrylate molding composition resistant to hot water cycles, wherein said impact-modified polymethyl methacrylate molding composition consists essentially of:

- 1) from 70 wt. % to 99 wt. % of a polymethyl methacrylate matrix composition having an average molar mass molecular weight of from 130,000 g/mol to 190,000 g/mol, wherein said polymethyl methacrylate matrix composition ~~comprises~~ consists essentially of:
 - a) from 80 wt. % to 99.5 wt. % methyl methacrylate; and
 - b) from 0.5 wt. % to 20.0 wt. % vinylic comonomer; and
- 2) from 1 wt. % to 15 wt. % of an impact-modifier composition in the form of a crosslinked elastomeric particle, wherein said impact-modifier composition ~~comprises~~ consists essentially of:
 - a) from 50 wt. % to 70 wt. % methyl methacrylate;
 - b) from 20 wt. % to 40 wt. % butyl acrylate, butadiene, or both;
 - c) from 0.1 wt. % to 2 wt. % allyl methacrylate; and
 - d) from 0.5 wt. % to 5 wt. % vinylic comonomer.

Claim 23 (Currently Amended) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22, wherein said vinylic comonomer of said polymethyl methacrylate matrix composition and said vinylic

comonomer of said impact-modifier composition is one or more vinylic comonomers selected from the group consisting of an alkyl acrylate, an alkyl methacrylate, and styrene.

Claim 24 (Previously Presented) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 23, wherein said one or more vinylic comonomers is an alkyl acrylate selected from one or more C₁-C₄ alkyl acrylates.

Claim 25 (Previously Presented) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 23, wherein said one or more vinylic comonomers is an alkyl methacrylate selected from one or more C₁-C₄ alkyl methacrylates.

Claim 26 (Previously Presented) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 23, wherein said one or more vinylic comonomers is styrene.

Claim 27 (Previously Presented) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22, wherein said crosslinked elastomeric particle of said impact-modifier composition has an average particle size of from 100 nm to 500 μ m.

Claim 28 (Previously Presented) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22, wherein said

impact-modified polymethyl methacrylate molding composition exhibits a flowability of about $10.0 \text{ cm}^3/10 \text{ minutes}$.

Claim 29 (Previously Presented) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22, wherein said impact-modified polymethyl methacrylate molding composition exhibits a Vicat softening temperature of greater than 105°C .

Claim 30 (Previously Presented) An article consisting essentially of said impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22.

Claim 31 (Previously Presented) The article according to Claim 30, wherein said article is selected from the group consisting of a sheet, a shower tray, a bathtub, and a sunbed roof.

Claim 32 (Previously Presented) A process of producing an article comprising melting said impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22 to produce a melted impact-modified polymethyl methacrylate molding composition, and extruding or injection molding said melted impact-modified polymethyl methacrylate molding composition to produce said article.

Claim 33 (Previously Presented) The process of producing an article according to Claim 32, wherein said article is selected from the group consisting of a sheet, a shower tray, a bathtub, and a sunbed roof.

Claim 34 (New) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22, wherein the impact-modified polymethyl methacrylate molding composition further consists essentially of:

- 3) the balance being additives.

Claim 35 (New) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22, wherein the impact-modified polymethyl methacrylate molding composition further consists essentially of:

- 3) the balance being additives in an amount of up to about 1.6 wt. %.

Claim 36 (New) The impact-modified polymethyl methacrylate molding composition resistant to hot water cycles according to Claim 22, wherein the impact-modified polymethyl methacrylate molding composition further consists essentially of:

- 3) the balance being additives in an amount of up to about 0.2 wt. %.